GOVERNMENT OF INDIA
NEW AND RENEWABLE ENERGY
LOK SABHA

UNSTARRED QUESTION NO:4674
ANSWERED ON:15.12.2016
Indian Wind Resources Map
Chudasama Shri Rajeshbhai Naranbhai

Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

(a) whether the Government has launched a Wind Resources Map with a tracking level of 100 metres that can also be used for measuring solar radiation, providing a tool for improving project efficiency and grid management;
(b) if so, the details thereof; and
(c) the extent to which this mapping facility would be useful to the new and renewable energy sector?

Answer

THE MINISTER OF STATE FOR POWER, COAL, NEW AND RENEWABLE ENERGY & MINES (INDEPENDENT CHARGE) (SHRI PIYUSH GOYAL)

(a)&(b): Yes Madam. The National Institute of Wind Energy (NIWE), Chennai has launched the map wind & resource at 100 m height, estimating the wind power potential of the country as 302 GW through a Geographic Information System (GIS) platform. The map provides region wise information on the indicative wind speed and Capacity Utilization Factor. Further, the same portal has also been provided with an access to the solar resource map, indicating solar parameter such as Global Horizontal Irradiance, Diffuse Horizontal Irradiance and Direct Normal Irradiance for any location in the country.

(c): The Wind and Solar Resource Map will help and guide the wind and solar power developers and other stakeholders in identifying the potential areas for the deployment of wind & solar power projects in India.
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